

compresses the stenosis material also contains the radioactive dose means.

Having indicated above preferred embodiments of the present invention, it will occur to those skilled in the art that modification and alternatives can be practiced within the spirit of the invention. It is accordingly intended to define the scope of the invention only as indicated in the following claims.

What is claimed is:

① Apparatus for post-treatment of stenosed region of an artery that has been reduced by angioplasty or other means comprising:

radioactive dose means for emitting radiation; and positioning means operatively connected to said dose means for advancing said dose means and positioning said dose means within the stenosed region of an artery that has been reduced by angioplasty or other means, said positioning means also being operatively connected to said dose means for withdrawing said dose means from the artery, the positioning means further including an angioplasty balloon, said radioactive dose means being connected to said balloon and moveable into contact with the stenosed region by expansion of said balloon.

2. The apparatus of claim 1, wherein the radioactive dose means comprises a plurality of radioactive sources distributed around the balloon.

③ Apparatus for post-treatment of stenosed region of an artery that has been reduced by angioplasty or other means comprising:

radioactive dose means for emitting radiation; and positioning means operatively connected to said dose means for advancing said dose means and positioning said dose means within the stenosed region of an artery that has been reduced by angioplasty or

40

45

50

55

60

65

add

5

10

15

2

2

3

1

✓

8. The apparatus of Claim 6, wherein the dose means is in liquid form.

B_2 SUB A_2 $\left. \vphantom{\begin{matrix} B_2 \\ A_2 \end{matrix}} \right\}^5$

10

15

20

25

SUB
A3

30

SUB
A4

35

40

45

19. The apparatus of Claim 10, wherein the catheter is capable of reducing the stenosed region and performing the post-treatment.

~~add A^5~~
~~add B^2~~

~~add c2~~
~~add c3~~
~~add c2~~

ADD F_4

SECRET